



## SAFETY DATA SHEET

KNOCK OUT DRIVEWAY, DEACKING & PATIO CLEANER

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Compilation date: 17/12/2019

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** KNOCK OUT DRIVEWAY, DEACKING & PATIO CLEANER

**Product code:** DECLGEN

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** For use only as a surface biocide. Consumer Use. Professional Use. Suitable for the control of mould, algae and fungi for decking, patios and other hard surfaces. Advised against any other use than those identified. HSE 9798. Unique Formula Identifier (UFI) in accordance with Commission Regulation (EU) No 2017/542. UFI: Q030-K0TJ-A00W-JN3E

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** J.V. Barrett & Co Ltd

St Ivel Way

Warmley

Bristol

BS30 8TY

United Kingdom

**Tel:** 01179600060

**Fax:** 01179352437

**Email:** [sales@barrettine.co.uk](mailto:sales@barrettine.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.) +44 (0) 1270 502891 (Out of hours emergency number)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319; Skin Irrit. 2: H315

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

[cont...]

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**Hazard pictograms:** GHS05: Corrosion  
GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES - REACH registered number(s): 01-2119970550-39-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
939-350-2	-	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	1-10%

ALCOHOLS, C9-11 ETHOXYLATED - REACH registered number(s): 01-2119980051-45-XXXX

614-482-0	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact:** Bathe the eye with running water for 15 minutes. Get medical attention promptly if symptoms occur after washing.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Treat Symptomatically.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Foam. Dry chemical powder. Carbon dioxide. Sand. Water spray. Do not use high pressure water jet as this may spread burning material.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Contain the spread of the firefighting media. Do not allow run-off from firefighting to enter drains or water courses.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

[cont...]

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### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

#### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Workplace exposure limits:** No data available.

#### DNEL/PNEC Values

**Hazardous ingredients:**

#### BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3.96 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	1.64 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (repeated dose)	5.7 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	3.4 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	3.4 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	900 ng/l	-	-
PNEC	Fresh water sediments	12.27 mg/kg	-	-
PNEC	Marine water	960 ng/l	-	-
PNEC	Marine sediments	13.09 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	400 µg/l	-	-
PNEC	Soil (agricultural)	7 mg/kg	-	-

#### ALCOHOLS, C9-11 ETHOXYLATED

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	294 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	87 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (repeated dose)	2080 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	1250 mg/kg bw/day	General Population	Systemic

[cont...]

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DNEL	Oral (repeated dose)	25 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	103.79 µg/l	-	-
PNEC	Marine water	103.79 µg/l	-	-
PNEC	Fresh water sediments	13.7 mg/kg	-	-
PNEC	Marine sediments	13.7 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	1.4 mg/l	-	-
PNEC	Soil (agricultural)	1 mg/kg	-	-

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles.

**Skin protection:** Protective clothing.

**Environmental:** Avoid release to the environment

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Clear

**Odour:** Characteristic odour

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** >60

**Autoflammability°C:** No data available.

**Relative density:** No data available.

**VOC g/l:** Not applicable.

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** 10

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

[cont...]

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### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

DERMAL	RBT	LD50	3412.5	mg/kg
ORAL	RAT	LD50	344-795	mg/kg
VAPOURS	RAT	4H LC50	220-280	mg/m3

#### ALCOHOLS, C9-11 ETHOXYLATED

DERMAL	RAT	LD50	2000	mg/kg
ORAL	RAT	LD50	3488-4600	mg/kg
VAPOURS	RAT	4H LC50	1.6	mg/l

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

**Excluded hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated

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Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### Section 12: Ecological information

#### 12.1. Toxicity

**Hazardous ingredients:**

##### BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

ALGAE	96H ErC50	10-30	µg/l
DAPHNIA	48H EC50	16	µg/l
FISH	96H LC50	515-1700	µg/l

##### ALCOHOLS, C9-11 ETHOXYLATED

ALGAE	96H EC50	1.4	mg/l
DAPHNIA	48H EC50	2.5	mg/l
FISH	96H LC50	5-7	mg/l

#### 12.2. Persistence and degradability

**Persistence and degradability:** Not established.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Not established.

#### 12.4. Mobility in soil

**Mobility:** Not established.

#### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects

**Other adverse effects:** Avoid release to the environment.

[cont...]

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 20 01 29

**Disposal of packaging:** Dispose of in accordance with Local Authority requirements.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request.

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.